
GENERAL NOTICES

NOTICE 387 OF 2015**INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA****Radio Frequency Spectrum Assignment Plans for International Mobile
Telecommunications (IMT)****NOTICE REGARDING THE ERRATUM TO THE FINAL RADIO FREQUENCY SPECTRUM
ASSIGNMENT PLAN FOR THE FREQUENCY BAND 450 TO 470 MHz**

The Independent Communications Authority of South Africa hereby issues an erratum notice to the published Radio Frequency Spectrum Assignment Plan dated 30 March 2015 (Notice No. 270 of 2015) to the extent reflected in the schedule.

The purpose of the erratum is to give clarity with regard to the relationship between the implementation date and the transitional arrangements and to also correct typographical errors.

A handwritten signature in black ink, appearing to read 'SS MNCUBE', written over a horizontal line.

Dr SS MNCUBE
CHAIRPERSON

SCHEDULE

1. Substitution of paragraph 7.2:

“7.2 The following field strength thresholds have to be assured based on (ECC/REC (11)04 for 790-862MHz. Operator-to-operator coordination may be necessary to avoid interference

In general stations of FDD systems may be used without coordination with a neighbouring country if the mean field strength produced by the cell (all transmitters within the sector) does not exceed the value of 55dB μ V/m/5MHz at a height of 3m above ground at the borderline between countries and does not exceed a value of 29dB μ V/m/5MHz at a height of 3m above ground at a distance of 9 km inside the neighbouring country.

In the case that LTE is deployed both sides of the border the field strength levels can be increased to 59 dB μ V/m/5MHz and 41 dB μ V/m/5MHz at 6 km.

If TDD is in operation across both sides of a border and is synchronised across the border then field strength levels such as those in Annex 1 may be applicable. Field strength levels should be agreed on a bilateral basis.

For field strength predictions the calculations should be made according to Appendix B. In cases of other frequency block sizes $10 \cdot \log(\text{frequency block size}/5\text{MHz})$ should be added to the field strength values e.g.:

BW (MHz)	Field strength level at 3 m height (general case)	Field strength level at 3 m height (LTE case)
5 MHz	55.0 dB μ V/m/5MHz @0km	59.0 dB μ V/m/5MHz @0km
	29.0 dB μ V/m/5MHz @9km	41.0 dB μ V/m/5MHz @6km
10 MHz	58.0 dB μ V/m/10MHz @0km	62.0 dB μ V/m/10MHz @0km
	32.0 dB μ V/m/10MHz @9km	44.0 dB μ V/m/10MHz @6km
15 MHz	59.8 dB μ V/m/15MHz @0km	63.8 dB μ V/m/15MHz @0km
	33.8 dB μ V/m/15MHz @9km	45.8 dB μ V/m/15MHz @6km
20 MHz	61.0 dB μ V/m/20MHz @0km	65.0 dB μ V/m/20MHz @0km
	35.0 dB μ V/m/20MHz @9km	47.0 dB μ V/m/20MHz @6km

If neighbouring administrations wish to agree on frequency coordination based on preferential frequencies, while ensuring a fair treatment of different operators within a country the Authority will add these within mutual agreements.

Stations of IMT systems may be operated without coordination if the mean field strength produced by the cell (all transmitters within the sector) does not exceed the value of $15\text{dB}\mu\text{V}/\text{m}/5\text{ MHz}$ at 10% time, 50% of locations at 3 metres above ground level at the borderline.”

End of erratum